



Date: Dec 2014  
 By: SJG/JFO  
 Checked:

*Terrace Water Company - DWR Water Energy Grant - Pipeline Replacement Project*  
 PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Item	Quantity	Units	Unit Rate	Total Cost
Mobilization, Bonding, Insurance, DigAlert, Pre-construction Photos and Video, Potholing	LS	1	\$ 10,000	\$ 10,000
Diversion of Recyclable Waste Materials	LS	1	\$ 1,000	\$ 1,000
Traffic Control (including preparation of traffic control plans)	LS	1	\$ 5,000	\$ 5,000
Sheeting, Shoring, and Bracing	LS	1	\$ 1,000	\$ 1,000
Bac-T Sampling, Transportation of Samples, and Analyses, all performed by a certified independent laboratory.	LS	1	\$ 3,000	\$ 3,000
Furnish, Install, Maintain, and Remove Erosion Control & BMPs	LS	1	\$ 3,000	\$ 3,000
Temporary Highline of Potable Waterline	LS	1	\$ 10,000	\$ 10,000
Furnish & Install Trench Resurfacing per San Bernardino Couty Requirements AND per Requirements of the SSPWC ("Greenbook"), 2012 edition	TON	36	\$ 300	\$ 10,800
Type II Slurry Seal	LS	1	\$ 6,000	\$ 6,000
Remove Existing Piping (Steel and ACP)	LS	1	\$ 1,000	\$ 1,000
Furnish & Install 6" PVC C900 DR18 Waterline and Appurtenances including, Utility Crossings, Bends, Fittings and Magnetic Warning Tape, Disinfection and Hydrostatic Testing, Pavement Removal, Excavation, Rock Excavation and Removal, Backfill, Compaction, and Material Export	LF	800	\$ 50	\$ 40,000
Reconnect Customer Services	EA	10	\$ 400	\$ 4,000
Furnish & Install Fire Hydrant Assembly	EA	2	\$ 3,000	\$ 6,000
Furnish & Install 6-inch Gate Valves and Valve Can Assemblies	EA	4	\$ 2,750	\$ 11,000
Connections to Existing Waterlines	EA	4	\$ 3,000	\$ 12,000
<b>Construction Subtotal</b>				<b>\$ 123,800</b>
Contingency	%	15		\$ 18,570.00
<b>Total (\$Dec 2014, rounded up to nearest \$1000)</b>				<b>\$ 143,000</b>